INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2003/002721

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04Q 7/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04Q 7/38, H04M 1/00, H04B 7/26, H04B 1/40

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and application for inventions since 1975

Korean Utility Models and applications for Utility Models since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) KIPASS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	JP 2002-345019 A (KYOCERA Corp) Nov. 29, 2002 see abstract, Fig. 1, Fig. 2, and Fig. 3	1, 9
A	KR 2001-0008695 (Hyundai Electronics Inc.) Feb. 5, 2001 see page 2 and Fig. 1	1
A	KR 2002-0049819 (LG Electronics Inc.) June 26, 2002 see abstract, page 1-2	9
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X See patent family annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "P" document published prior to the international filing date but later than the priority date claimed
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- "&" document member of the same patent family

Date of the actual completion of the international search

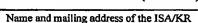
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/KR2003/002721

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2002-345019 A	Nov. 29, 2002	None	
KR 2001-0008695 A	Feb. 5, 2001	None	
KR 2002-0049819 A	June 26, 2002	None	